

TABLE 2

5'GC	CCC	GCG	AGC	TCG	CTC	CAC	TCC	CAC	TTC	CTG	AGC	TCC	GCC	ATG	GGA	GCC	CTG	56
11				20				29			38			47				
GAG	GCC	GCG	CCT	GCG	CGC	TCC	CGG	CCC	TGG	GGT	GCA	CAT	CGG	CCC	TGA	GTC	CCG	110
65				74				83			92			101				
TCC	CAG	GCT	CTG	GGC	TGG	GGC	AGC	CGC	CGC	CAC	TGC	CCA	GGA	CGT	CGG	GCC		164
119				128				137			146			155				
TCC	TGC	CTT	CCT	CCC	AGG	CCC	CCA	CGT	TGC	TGG	CCG	CCT	GGC	CGA	GTG	GCC		218
173				182				191			200			209				
ATG	CTC	CTG	CCT	TGG	GCC	ACC	TCT	GCC	CCC	GGC	CTG	GCC	TGG	GGG	CCT	CTG	GTG	272
M	L	L	P	W	A	T	S	A	P	G	L	A	W	G	P	L	V	
CTG	GGC	CTC	TTC	GGG	CTC	CTG	GCA	GCA	TCC	CAG	CCC	CAG	GCG	GTG	CCT	CCA	TAT	326
281				290				299			308			317				
L	G	L	F	G	L	L	A	A	S	Q	P	Q	A	V	P	P	Y	
GCG	TCG	GAG	AAC	CAG	ACC	TGC	AGG	GAC	CAG	GAA	AAG	GAA	TAC	TAT	GAG	CCC	CAG	380
335				344				353			362			371				
A	S	E	N	Q	T	C	R	D	Q	E	K	E	Y	Y	E	P	Q	

FIGURE 1A

Figure 1B

389	398	407	416	425	434
CAC CGC ATC TGC TGC TCC CGC TGC CCG CCA GGC ACC TAT GTC TCA GGT AAA TGT					
H R I C C S R C P P G T Y V S A K C					
443	452	461	470	479	488
AGC CGC ATC CGG GAC ACA GTT TGT TGT GCC ACA TGT GCC GAG AAT TCC TAC AAC GAG					
S R I R D T V C A T C A E N S Y N E					
497	506	515	524	533	542
CAC TGG AAC TAC CTG ACC ATC TGC CAG CTG TGC CGC CCC TGT GAC CCA GTG ATG					
H W N Y L T I C Q R P C D P V M					
551	560	569	578	587	596
GGC CTC GAG GAG ATT GCC CCC TGC ACA AGC AAA CGG AAG ACC CAG TGC CGC TGC					
G L E E I A P C T S K R K T Q C R C					
605	614	623	632	641	650
CAG CCG GGA ATG TTC TGT GCT GCC TGG GCC CTC GAG TGT ACA CAC TGC GAG CTA					
Q P G M F C A A W A L E C T H C E L					
659	668	677	686	695	704
CTT TCT GAC TGC CCG CCT GGC ACT GAA GCC GAG CTC AAA GAT GAA GTT GGG AAG					
L S D C C P P G T E A E L K D E V G K					
713	722	731	740	749	758
GGT AAC AAC CAC TGC GTC CCC TGC AAG GCA GGC CAC TTC CAG AAT ACC TCC TCC					
G N N H C V P C K A A G H F Q N T S S					

FIGURE 1B

767	776	785	794	803	812
CCC AGC GCC CGC TGC CAG CCC CAC ACC AGG TGT GAG AAC CAA GGT CTG GTG GAG					
P S A R C Q					
821	830	839	848	857	866
GCA GCT CCA GGC ACT GCC CAG TCC GAC ACA ACC TGC AAA AAT CCA TTA GAG CCA					
A A P G T A Q					
875	884	893	902	911	920
CTG CCC CCA GAG ATG TCA GGA TCG CTG CTC AAG AGG CGT CCG CAG GGA GAG GGA					
L P P E M S G S L L L K R R P Q G E G					
929	938	947	956	965	974
CCC AAT CCT GTA GCT GGA AGC TGG GAG CCT CCG AAG GCC CAT CCA TAC TTC CCT					
P N P V A G S W E P P K A H P Y F P					
983	992	1001	1010	1019	1028
GAC TTG GTA CAG CCA CTG CTA CCC ATT TCT GGA GAT GTT TCC CCA GTA TCC ACT					
D L V Q P L L L P I S G D V S P V S T					
1037	1046	1055	1064	1073	1082
GGG CTC CCC GCA GCC CCA GTT TTG GAG GCA GGG GTG CCG CAA CAG CAG AGT CCT					
G L P A A P V L E A G V P Q Q S P					
1091	1100	1109	1118	1127	1136
CTG GAC CTG ACC AGG GAG CCG CAG TTG GAA CCC GGG GAG CAG AGC CAG GTG GCC					
L D L T R E P Q L L E P G E Q S Q V A					

FIGURE 1C

1145	1154	1163	1172	1181	1190
CAC GGT ACC	AAT GGC ATT	CAT GTC ACC	GGC TCT ATG	ACT ATC	ACT GGC AAC
H G T	N G I	V T	G S	T I	G N
1199	1208	1217	1226	1235	1244
ATC TAC ATC	TAC AAT GGA	CCA GFA CTG	GGG GGA CCA	CCG GGT CCT	GGA GAC CTC
I Y I	Y N G	V L	G G	G P	G D L
1253	1262	1271	1280	1289	1298
CCA GCT ACC	CCC GAA CCT	CCA TAC CCC	ATT CCC GAA	GAG GGG GAC	CCT GGC CCT
P A T	P E P	P Y P	I P E	E G D	P G P
1307	1316	1325	1334	1343	1352
CCC GGG CTC	TCT ACA CCC	CAC CAG GAA	GAT GGC AAG	GCT TGG CAC	CTA GCG GAG
P G L	S T P	H Q	G D	A W	L A E
1361	1370	1379	1388	1397	1406
ACA GAG CAC	TGT GGT GCC	ACA CCC TCT	AAC AGG GGC	CCA AGG AAC	CAA TTT ATC
T E H	C G A	T P S	N R G	P R N	Q F I
1415	1424	1433	1442	1451	1460
ACC CAT GAC	TGA CGG AGT	CTG AGA AAA	GGC AGA AGG	GGG GCA	CAA GGG CAC
T H D					

FIGURE 1D

1469	1478	1487	1496	1505	1514
CTT CTC CCT TGA GGC TGC CCT GCC CAC GTG GGA TTC ACA GGG GCC TGA GTA GGG					
1523	1532	1541	1550	1559	1568
CCC GGG GAA GCA GAG CCC TAA GGG ATT AAG GCT CAG ACA CCT CTG AGA GCA GGT					
1577	1586	1595	1604	1613	1622
GGG CAC TGG CTG CTG GGT ACG GTG CCC TCC ACA GGA CTC TCC CTA CTG CCT GAG CAA					
1631	1640	1649	1658	1667	1676
ACC TGA GGC CTC CCG GCA GAC CCA CCC ACC CCC TGG GGC TGC TCA GCC TCA GGC					
1685	1694	1703	1712	1721	1730
ACG GAC AGG GCA CAT GAT ACC AAC TGC TGC CCA CTA CAG CAC GCC GCA CCG GAG					
1739	1748	1757	1766	1775	1784
CAC GGC ACC GAG GGA GCC GCC ACA CGG TCA CCT GCA AGG ACG TCA CGG GCC CCT					

FIGURE 1E

1793	1802	1811	1820	1829	1838
CTA AAG GAT TCG TGG TGC TCA TCC CCA AGC TTC AGA GAC CCT TTG GGG TTC CAC					
1847	1856	1865	1874	1883	1892
ACT TCA CGT GGA CTG AGG TAG ACC CTG CAT GAA GAT GAA ATT ATA GGG AGG ACG					
1901	1910	1919	1928	1937	1946
CTC CTT CCC TCC CCT CCT AGA GGA GAG GAA AGG GAG TCA TTA ACA ACT AGG GGG					
1955	1964	1973	1982		
TTG GGT AGG ATT CCT AGG TAT GGG GAA GAG TTT TGG 3'					

FIGURE 1F

1	M	L	L	P	W	A	T	S	A	P	G	L	A	W	G	P	L	V	L	G	L	F	G	L	L	A	A	S	Q	P	SEQ ID NO1
1	M	L	L	P	W	A	T	S	A	P	G	L	A	W	G	P	L	V	L	G	L	F	G	L	L	A	A	S	Q	P	g339762
1	M	R	L	P	R	A	S	S	P	C	G	L	A	W	G	P	L	L	L	G	L	S	G	L	L	V	A	S	Q	P	g600223
31	Q	A	V	P	P	Y	A	S	E	N	Q	T	C	R	D	Q	E	K	E	Y	Y	E	P	Q	H	R	I	C	C	S	SEQ ID NO1
31	Q	A	V	P	P	Y	A	S	E	N	Q	T	C	R	D	Q	E	K	E	Y	Y	E	P	Q	H	R	I	C	C	S	g339762
31	Q	L	V	P	P	Y	R	I	E	N	Q	T	C	W	D	Q	D	K	E	Y	Y	E	P	M	H	D	V	C	C	S	g600223
61	R	C	P	P	G	T	Y	V	S	A	K	C	S	R	I	R	D	T	V	C	A	T	C	A	E	N	S	Y	N	E	SEQ ID NO1
61	R	C	P	P	G	T	Y	V	S	A	K	C	S	R	I	R	D	T	V	C	A	T	C	A	E	N	S	Y	N	E	g339762
61	R	C	P	P	G	E	F	V	F	A	V	C	S	R	S	Q	D	T	V	C	K	T	C	P	H	N	S	Y	N	E	g600223
91	H	W	N	Y	L	T	I	C	Q	L	C	R	P	C	D	P	V	M	G	L	E	E	I	A	P	C	T	S	K	R	SEQ ID NO1
91	H	W	N	Y	L	T	I	C	Q	L	C	R	P	C	D	P	V	M	G	L	E	E	I	A	P	C	T	S	K	R	g339762
91	H	W	N	H	L	S	T	C	Q	L	C	R	P	C	D	I	V	L	G	F	E	E	V	A	P	C	T	S	D	R	g600223
121	K	T	Q	C	R	C	Q	P	G	M	F	C	A	A	W	A	L	E	C	T	H	C	E	L	-	-	L	S	D	C	SEQ ID NO1
121	K	T	Q	C	R	C	Q	P	G	M	F	C	A	A	W	A	L	E	C	T	H	C	E	L	-	-	L	S	D	C	g339762
121	K	A	E	C	R	C	Q	P	G	M	S	C	V	Y	L	D	N	E	C	V	H	C	E	E	R	L	V	L	C	g600223	
149	P	P	G	T	E	A	E	L	K	D	E	V	G	K	G	N	N	H	C	V	P	C	K	A	G	H	F	Q	N	T	SEQ ID NO1
149	P	P	G	T	E	A	E	L	K	D	E	V	G	K	G	N	N	H	C	V	P	C	K	A	G	H	F	Q	N	T	g339762
151	Q	P	G	T	E	A	E	V	T	D	E	I	M	D	T	D	V	N	C	V	P	C	K	P	G	H	F	Q	N	T	g600223

FIGURE 2A

179	S	S	P	S	A	R	C	Q	P	H	T	R	C	E	N	Q	G	L	V	E	A	A	P	G	T	A	Q	S	D	T	SEQ ID NO1			
179	S	S	P	S	A	R	C	Q	P	H	T	R	C	E	N	Q	G	L	V	E	A	A	P	G	T	A	Q	S	D	T	g339762			
181	S	S	P	R	A	R	C	Q	P	H	T	R	C	E	I	Q	G	L	V	E	A	A	P	G	T	S	Y	S	D	T	g600223			
209	T	C	K	N	P	L	E	P	L	P	P	E	M	S	G	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SEQ ID NO1			
209	T	C	K	N	P	L	E	P	L	P	P	E	M	S	G	T	M	L	M	L	A	V	L	L	P	L	A	F	F	L	g339762			
211	I	C	K	N	P	P	E	P	-	-	-	-	-	-	-	G	A	M	L	L	A	I	L	L	S	L	V	L	F	L	g600223			
224	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SEQ ID NO1				
239	L	L	A	T	V	F	S	C	I	W	K	S	H	P	S	L	C	R	K	L	G	S	L	L	K	R	R	P	Q	G	g339762			
235	L	F	T	T	V	L	A	C	A	W	M	R	H	P	S	L	C	R	K	L	G	T	L	L	K	R	H	P	E	G	g600223			
233	E	G	P	N	P	V	A	G	S	W	E	P	P	K	A	H	P	Y	F	P	D	L	V	Q	P	L	L	P	I	S	SEQ ID NO1			
269	E	G	P	N	P	V	A	G	S	W	E	P	P	K	A	H	P	Y	F	P	D	L	V	Q	P	L	L	P	I	S	g339762			
265	E	E	S	P	P	C	P	A	-	-	-	-	-	-	-	P	R	A	D	P	H	F	P	D	L	A	E	P	L	L	P	M	S	g600223
263	G	D	V	S	P	V	S	T	G	L	P	A	A	P	V	L	E	A	G	V	P	Q	Q	Q	S	P	L	D	L	T	SEQ ID NO1			
299	G	D	V	S	P	V	S	T	G	L	P	A	A	P	V	L	E	A	G	V	P	Q	Q	Q	S	P	L	D	L	T	g339762			
291	G	D	L	S	P	S	P	A	G	P	P	T	A	P	S	L	E	E	V	V	L	Q	Q	Q	S	P	L	V	Q	A	g600223			
293	R	E	P	Q	L	E	P	G	E	Q	S	Q	V	A	H	G	T	N	G	I	H	V	T	G	G	S	M	T	I	T	SEQ ID NO1			
329	R	E	P	Q	L	E	P	G	E	Q	S	Q	V	A	H	G	T	N	G	I	H	V	T	G	G	S	M	T	I	T	g339762			
321	R	E	L	E	A	E	P	G	E	H	G	Q	V	A	H	G	A	N	G	I	H	V	T	G	G	S	V	T	V	T	g600223			

FIGURE 2B

323	G	N	I	Y	I	Y	N	G	P	V	L	G	G	P	P	G	P	G	D	L	P	A	T	P	E	P	P	Y	P	I		SEQ ID NO1
359	G	N	I	Y	I	Y	N	G	P	V	L	G	G	P	P	G	P	G	D	L	P	A	T	P	E	P	P	Y	P	I		g339762
351	G	N	I	Y	I	Y	N	G	P	V	L	G	G	T	R	G	P	G	D	P	P	A	P	P	E	P	P	Y	P	I		g600223
353	P	E	E	G	D	P	G	P	P	G	L	S	T	P	H	Q	E	D	G	K	A	W	H	L	A	E	T	E	H	-		SEQ ID NO1
389	P	E	E	G	D	P	G	P	P	G	L	S	T	P	H	Q	E	D	G	K	A	W	H	L	A	E	T	E	H	-		g339762
381	P	E	E	G	A	P	G	P	S	E	L	S	T	P	Y	Q	E	D	G	K	A	W	H	L	A	E	T	E	T	L		g600223
382	-	C	G	A	T	P	S	N	R	G	P	R	N	Q	F	I	T	H	D													SEQ ID NO1
418	-	C	G	A	T	P	S	N	R	G	P	R	N	Q	F	I	T	H	D													g339762
411	G	C	Q	D	L																											g600223

FIGURE 2C

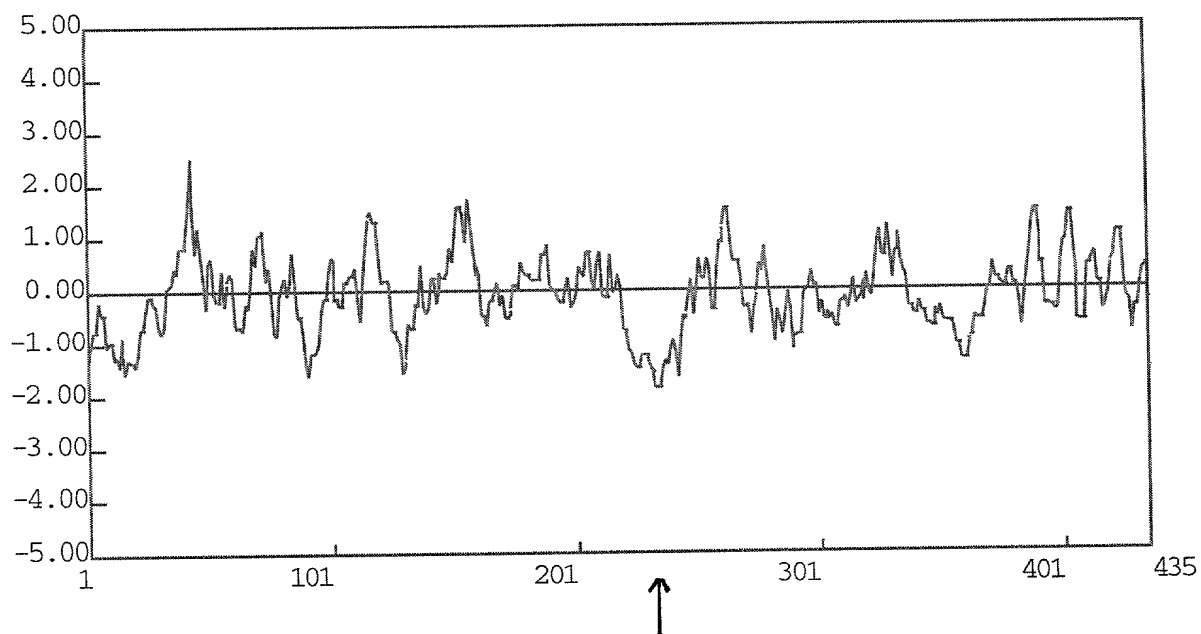


FIGURE 3A

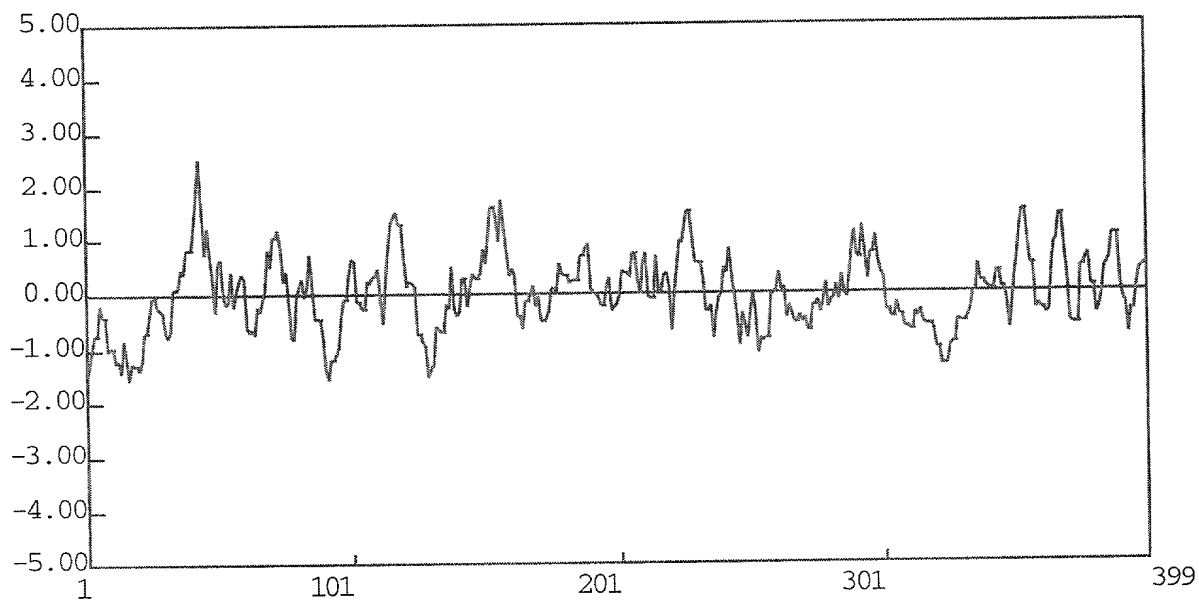


FIGURE 3B